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**BIOTECHNOLOGY
SYSTEMS
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RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/954,989A

Source: OIP

Date Processed by STIC: 6/4/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

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Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)**
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Revised 01/29/2002



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/954,987A

DATE: 06/04/2002
TIME: 15:02:29

Input Set : A:\seqlist.txt
Output Set: N:\CRF3\06042002\I954987A.raw

Does Not Comply
Corrected Diskette Needed

pp 1-3

4 <110> APPLICANT: Stefan Bauer
5 Grayson B. Lipford
6 Hermann Wagner
8 <120> TITLE OF INVENTION: PROCESS FOR HIGH THROUGHPUT SCREENING OF
9 CpG-BASED IMMUNO-AGONIST/ANTAGONIST
12 <130> FILE REFERENCE: C1041/7016 (AWS)
14 <140> CURRENT APPLICATION NUMBER: US 09/954,987A
15 <141> CURRENT FILING DATE: 2001-09-17
17 <150> PRIOR APPLICATION NUMBER: US 60/233,035
18 <151> PRIOR FILING DATE: 2000-09-15
20 <150> PRIOR APPLICATION NUMBER: US 60/263,657
21 <151> PRIOR FILING DATE: 2001-01-23
23 <150> PRIOR APPLICATION NUMBER: US 60/291,726
24 <151> PRIOR FILING DATE: 2001-05-17
26 <150> PRIOR APPLICATION NUMBER: US 60/300,210
27 <151> PRIOR FILING DATE: 2001-06-22
29 <160> NUMBER OF SEQ ID NOS: 230
31 <170> SOFTWARE: FastSEQ for Windows Version 3.0

ERRORED SEQUENCES

630 <210> SEQ ID NO: 9		
631 <211> LENGTH: 497		
632 <212> TYPE: DNA		
633 <213> ORGANISM: Mus musculus		
635 <400> SEQUENCE: 9		
636 gtgggtttgg tgtctatctt cactctcctg aaagatgcat gggaaagaaaa ctacccttta	60	
637 cagccaaacct ttgcgtccgtg ggcctgggtgg cttggtagca tatattgcgc acttgc当地	120	
638 tagcgggtgt a gtaagacaga gcaaggcagg cagagcaact cgggaaccag acatgaagat	180	
639 gcagctgtt ccagctgttg ctctgagacta ttctgctgt a ggtcccccggc agaagttctg	240	
640 gttatagaag tggcgggtgt ccctagtcag ggctgtactc agctgggccc agaagcccc	300	
641 ctgcccgtt ggtcgtctgg gccagaagag cacactctgg cggcagagac gctggcgcag	360	
E--> 642 tcgcacata g cgggacggg gggcatccgg acgcaggatc accaacaacca ccacgtcctt	420	7 see p. 3
643 gcggctttcc aacaggcgct gctgagccag cagaagctg gtgcgcagga gggcactgac	480	
644 gcgggtccgtg tgggcca	497	
646 <210> SEQ ID NO: 10		
647 <211> LENGTH: 95		
648 <212> TYPE: PRT		
649 <213> ORGANISM: Mus musculus		
651 <400> SEQUENCE: 10		
652 Ala His Thr Asp Arg Val Ser Gly Leu Leu Arg Thr Ser Phe Leu Leu		
653 1 5 10 15		

P. 2

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/954,987A

DATE: 06/04/2002
TIME: 15:02:30

Input Set : A:\seqlist.txt
Output Set: N:\CRF3\06042002\I954987A.raw

654 Ala Gln Gln Arg Leu Leu Glu Asp Arg Lys Asp Val Val Val Val Leu Val
655 20 25 30 *see p.3*
E--> 656 Ile Leu Arg Pro Asp Ala Xaa Pro Ser Arg Tyr Val Arg Leu Arg Gln
657 35 40 45
658 Arg Leu Cys Arg Gln Ser Val Leu Phe Trp Pro Gln Arg Pro Asn Gly
659 50 55 60
660 Gln Gly Gly Phe Trp Ala Gln Leu Ser Thr Ala Leu Thr Arg Asp Asn
661 65 70 75 80
662 Arg His Phe Tyr Asn Gln Asn Phe Cys Arg Gly Pro Thr Ala Glu
663 85 90 95
4351 <210> SEQ ID NO: 203
4352 <211> LENGTH: 31
4353 <212> TYPE: PRT
4354 <213> ORGANISM: Homo sapiens
4356 <400> SEQUENCE: 203
E--> 4357 Arg Xaa Xaa Xaa Xaa Xaa Xaa Arg Xaa Asp Xaa Leu Xaa Xaa Xaa
4358 1 5 10 15 *see p.3*
E--> 4359 Xaa Xaa Xaa Xaa Xaa Lys Leu Xaa Xaa Xaa Xaa Xaa Ser
4360 20 25 30
4362 <210> SEQ ID NO: 204
4363 <211> LENGTH: 31
4364 <212> TYPE: PRT
4365 <213> ORGANISM: Mus musculus
4367 <400> SEQUENCE: 204
E--> 4368 Arg Xaa Xaa Xaa Xaa Xaa Xaa Arg Xaa Asp Xaa Leu Xaa Xaa Xaa
4369 1 5 10 15 *p.3*
E--> 4370 Xaa Xaa Xaa Xaa Xaa Ser Leu Xaa Xaa Xaa Xaa Xaa Ser
4371 20 25 30
4373 <210> SEQ ID NO: 205
4374 <211> LENGTH: 31
4375 <212> TYPE: PRT
4376 <213> ORGANISM: Homo sapiens
4378 <400> SEQUENCE: 205
E--> 4379 Lys Xaa Xaa Xaa Xaa Xaa Xaa Arg Xaa Asp Xaa Asp Xaa Xaa Xaa
4380 1 5 10 15 *p.3*
E--> 4381 Xaa Xaa Xaa Xaa Xaa Asp Leu Xaa Xaa Xaa Xaa Xaa Tyr
4382 20 25 30
4384 <210> SEQ ID NO: 206
4385 <211> LENGTH: 31
4386 <212> TYPE: PRT
4387 <213> ORGANISM: Mus musculus
4389 <400> SEQUENCE: 206
E--> 4390 Lys Xaa Xaa Xaa Xaa Xaa Xaa Arg Xaa Asp Xaa Asp Xaa Xaa Xaa
4391 1 5 10 15 *p.3*
E--> 4392 Xaa Xaa Xaa Xaa Xaa Asp Leu Xaa Xaa Xaa Xaa Xaa His
4393 20 25 30

VARIABLE LOCATION SUMMARY
PATENT APPLICATION: US/09/954,987A

DATE: 06/04/2002
TIME: 15:02:32

Input Set : A:\seqlist.txt
Output Set: N:\CRF3\06042002\I954987A.raw

Use of n's or Xaa's(NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:9; N Pos. 380
Seq#:10; Xaa Pos. 39
Seq#:125; Xaa Pos. 2,3,4,5,6,7,8,10,12,14,15,16,17,18,19,20,21,22,25,26,27
Seq#:125; Xaa Pos. 28,29,30
Seq#:126; Xaa Pos. 2,3,4,5,6,7,8,10,12,14,15,16,17,18,19,20,21,22,25,26,27
Seq#:126; Xaa Pos. 28,29,30
Seq#:127; Xaa Pos. 2,3,4,5,6,7,8,10,12,14,15,16,17,18,19,20,21,22,25,26,27
Seq#:127; Xaa Pos. 28,29,30
Seq#:145; Xaa Pos. 2,3,5,6,7,8,9,10,12,13
Seq#:196; Xaa Pos. 4,5,7,8,9,10,11,12,14,15
Seq#:203; Xaa Pos. 2,3,4,5,6,7,8,10,12,14,15,16,17,18,19,20,21,22,25,26,27
Seq#:203; Xaa Pos. 28,29,30
Seq#:204; Xaa Pos. 2,3,4,5,6,7,8,10,12,14,15,16,17,18,19,20,21,22,25,26,27
Seq#:204; Xaa Pos. 28,29,30
Seq#:205; Xaa Pos. 2,3,4,5,6,7,8,10,12,14,15,16,17,18,19,20,21,22,25,26,27
Seq#:205; Xaa Pos. 28,29,30
Seq#:206; Xaa Pos. 2,3,4,5,6,7,8,10,12,14,15,16,17,18,19,20,21,22,25,26,27
Seq#:206; Xaa Pos. 28,29,30

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/954,987A

DATE: 06/04/2002
TIME: 15:02:32

Input Set : A:\seqlist.txt
Output Set: N:\CRF3\06042002\I954987A.raw

L:642 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:9
L:656 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:10
L:1980 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:125
L:1980 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:125
L:1980 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:125 after pos.:0
L:1982 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:125
L:1982 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:125
L:1982 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:125 after pos.:16
L:1994 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:126
L:1994 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:126
L:1994 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:126 after pos.:0
L:1996 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:126
L:1996 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:126
L:1996 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:126 after pos.:16
L:2008 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:127
L:2008 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:127
L:2008 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127 after pos.:0
L:2010 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:127
L:2010 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:127
L:2010 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127 after pos.:16
L:2021 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:2025 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:128
L:2029 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:128
L:2033 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:128
L:2037 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:128
L:2226 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:145
L:2227 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:145
L:2227 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:145
L:2227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:0
L:4294 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:196
L:4294 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:196
L:4294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:196 after pos.:0
L:4357 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:203
M:340 Repeated in SeqNo=203
L:4368 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:204
M:340 Repeated in SeqNo=204
L:4379 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:205
M:340 Repeated in SeqNo=205
L:4390 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:206
M:340 Repeated in SeqNo=206
L:4403 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:4407 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:207